

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

4

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A computer implemented method of reconciling component variables with container variables in a document, comprising:
- identifying a component variable ~~in a component~~;
 - determining if there is a container variable in a container that refers to a same domain concept as the identified component variable;
 - if ~~a the~~ container variable is determined to refer to the same domain concept as the identified component variable, associating said component variable ~~in the component~~ with said container variable ~~in the container~~;
 - if no container variable is determined to refer to the same domain concept as the identified component variable, associating said identified component variable with an element in a domain model of the document having a best identity match; and
 - ~~identifying a link expression of said component variable; and~~
 - ~~determining whether the link expression can be identified with an element in a domain model of the document;~~
 - ~~wherein said determining whether the link expression can be identified with said element in said domain model of the document uses an automatic reconciliation algorithm to find a best identity match; and~~
 - ~~wherein said identifying said link expression of said component variable is performed interactively by a user~~

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

5

displaying the association between said identified component variable and said container variable or said domain model element to a user.

wherein said user either accepts or overrides said association.

2-3. (Canceled).

4. (Previously presented) The method according to claim 1, wherein said best identity match comprises a direct match.

5. (Currently amended) The method according to claim 1, wherein, when with said best identity match is determined ~~found to said element in said domain model~~, the identified component variable ~~in the component~~ is linked with the associated container variable ~~in the domain model~~.

6. (Currently amended) The method according to claim 5, wherein the identified component variable ~~in the component~~ assumes a value of the linked container variable in a ~~the~~ containing document and the identified component variable is positioned in the document with the ~~new~~ value.

7. (Currently amended) The method according to claim 1, wherein said best identity match ~~identifying said link expression of said component variable~~ matches the identified component variable ~~of the component to the domain model elements~~ of the document to find the best match.

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

6

8. (Canceled).

9. (Currently amended) The method according to claim 1, wherein said identified component variable ~~in the component~~ is interactively displayed ~~adjacent to a representation of an element of the domain model of the containing document.~~

10. (Currently amended) The method according to claim 1, wherein a plurality of identified component variables ~~in a the component~~ are interactively displayed ~~adjacent to a representation of elements of the domain model of the containing document.~~

11. (Currently amended) The method according to claim 1, wherein said overriding said association ~~identifying said link expression of said component variable~~ comprises actuating, ~~by a user, a the identified component variable in the component~~ and interactively matching the identified component variable to an element in of the domain model of the document.

12. (Currently amended) The method according to claim 11, wherein said overriding said association ~~identifying said link expression of said component variable~~ is performed by said user for multiple identified ~~each component variables within a variable in the component.~~

13. (Currently amended) The method according to claim 12, wherein said user interactively determines whether values to be assigned to the identified component variables, once matched, should be the values ~~value~~ in the ~~containing~~ document or the values ~~value~~ in the imported components ~~component~~ when said imported components have values ~~component has a value.~~

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

7

14. (Currently amended) The method according to claim 1 ~~[[3]]~~, wherein said automatic reconciliation algorithm automatically determines that a value to be assigned to the component variable is the value in the ~~containing~~ document.

15. (Currently amended) The method according to claim 1, wherein said ~~[[a]]~~ user ~~[[,]]~~ overrides said association through a graphical ~~graphic~~ user interface (GUI), ~~identifies an association between~~ by associating said component variable with ~~and~~ a domain model element.

16. (Currently amended) The method according to claim 1, wherein the ~~[[a]]~~ user interactively selects a container value.

17. (Currently amended) A computer-implemented method of automatically reconciling component variables with container variables in a document, comprising:

identifying a component variable ~~in a component~~;

determining if ~~there is~~ a container variable ~~in a container~~ that refers to a same domain concept as the identified component variable;

~~if the container variable is determined to refer to the same domain concept~~, associating said component variable ~~in said component~~ with the container variable ~~in said container~~; and

~~allowing a user to at least one of accept and override said association between the identified component variable and the corresponding container variable~~

accepting and/or overriding said association between said identified component variable and said container variable.

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

8

wherein a user interactively performs said accepting and/or overriding.

18. (Previously presented) A computer-implemented method of interactively reconciling component variables with container variables in a document, comprising:

displaying a component variable next to a representation of an element in a domain model of the document;

identifying an association between the component variable and said element in the domain model; and

matching said element of said domain model interactively by a user.

19. (Previously presented) A system for reconciling component variables with container variables in a document relative to a domain model, comprising:

a container including a plurality of container variables;

a component including a plurality of component variables in said document; and

a reconciler that maps container variables in said container with component variables in said component,

wherein said reconciler is manually controlled by a user to perform a mapping.

20. (Canceled).

21. (Original) The system according to claim 19, further comprising:

a controller for automatically controlling said reconciler to perform said mapping.

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

9

22. (Currently amended) The system according to claim 19, wherein if the component variable in the component includes a value, then no ~~mapping swapping~~ is performed by said reconciler.

23. (Original) The system according to claim 19, wherein said component includes a plurality of alternative choices for being mapped by said reconciler.

24. (Previously presented) The system according to claim 19, wherein when said component variables in said document include a value and said reconciler is in an on-state, said reconciler reconciles said component variables in said document with said container variables in said container.

25. (Currently amended) The system according to claim 19, ~~wherein said components are built from a same domain model and~~ wherein said container variables in said container are reconciled with said component variables in said component.

26. (Withdrawn) A system for importing document components, comprising:
an archive for storing a plurality of document components;
a container assembly for storing at least one of said plurality of document components;
and
a connector for linking document components stored in said container assembly to document components stored in said archive,

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

10

wherein said document components are imported to said container assembly from said archive.

27. (Withdrawn) A system for importing document components, as claimed in claim 26, wherein said document components contain variables and said container assembly contains variables.

28. (Withdrawn) The system for importing document components, as claimed in claim 26, wherein said connector links a variable in a source document component to a variable in said container assembly.

29. (Withdrawn) The system for importing document components, as claimed in claim 28, wherein said variable in said source document resides in a document component template.

30. (Withdrawn) The system for importing document components, as claimed in claim 28, wherein said connector uses a reconciliation algorithm to link said components.

31. (Withdrawn) The system for importing document components, as claimed in claim 30, wherein said reconciliation algorithm links a variable in said source document component to a variable in said container assembly when said variable represents a same domain concept.

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

11

32. (Withdrawn) The system for importing document components, as claimed in claim 30, wherein the linkage between source document variables and assembly container variables can be altered by a user.

33. (Currently amended) A system for reconciling component variables with container variables in a document, comprising:

means for identifying a component variable ~~in a component~~;

means for determining if there is a container variable in a container that refers to a same domain concept as the identified component variable; and

if a container variable is determined to refer to the same domain concept as the identified component variable, means for associating said component variable ~~in said component~~ with said container variable ~~in the container~~;

if no container is determined to refer to the same domain concept as the identified component variable, means for associating said identified component variable with an element in a domain model of the document having a best identity match; and

~~means for identifying a link expression of said component variable; and~~

~~means for determining whether the link expression can be identified with an element in a domain model of the document~~

means for displaying the association between said identified component variable and said container variable or said domain model element to a user.

wherein said user either accepts or overrides said association.

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

12

34. (Currently amended) A signal-bearing medium tangibly embodying a program of recordable machine readable instructions executable by a digital processing apparatus to perform a method of reconciling component variables with container variables in a document, said method comprising:

identifying a component variable in a component;

determining if there is a container variable in a container that refers to a same domain concept as the identified component variable;

if a container variable is determined to refer to the same domain concept as the identified component variable, associating the component variable in the component with the container variable in the container;

if no container is determined to refer to the same domain concept as the identified component variable, associating said identified component variable with an element in a domain model of the document having a best identity match; and

identifying a link expression of said component variable; and

determining whether the link expression can be identified with an element in a domain model of the document

displaying the association between said identified component variable and said container variable or said domain model element to a user,

wherein said user either accepts or overrides said association.

35. (Previously presented) A signal-bearing medium tangibly embodying a program of recordable machine readable instructions executable by a digital processing apparatus to perform

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

13

a method of interactively reconciling component variables with container variables in a document, said method comprising:

displaying a component variable next to a representation of an element in a domain model of the document;

identifying an association between the component variable and said element in the domain model; and

matching said element of said domain model interactively by a user.

36. (Withdrawn) A signal-bearing medium tangibly embodying a program of machine readable instructions executable by a digital processing apparatus to perform a method of importing document components, said method comprising:

storing a plurality of document components in an archive;

inputting a selection parameter for a variable of said document components;

searching said archive for said variable using said selection parameter;

creating a connector for mapping said variable in said archive to a variable in a container assembly;

importing a document component from said archive with said mapped variable;

storing at least one of said plurality of document components received during said importing process in a container assembly; and

reconciling said imported mapped variable from said archive to said variable in said container assembly.

37. (Withdrawn) A method for importing document components comprising:

Serial No. 09/497,800
Docket No. YOR920000202US1
(YOR.094)

14

inputting selection parameters for variables of document components;
searching an archive for source document variables using said selection parameters;
creating a connector for mapping said source document variables to variables in a
container assembly;
importing source document components with said mapped variables; and
reconciling said source document variables with said variables in a container assembly.